

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S52   | 14195 | call with (entry exit)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:37 |
| S53   | 549   | (717/130,158).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/23 07:37 |
| S54   | 129   | S52 and S53   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:37 |
| S56   | 292   | call with (entry exit) with<br>(redundan\$2 same eliminat\$3<br>remov\$3)                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:48 |
| S57   | 1     | S54 and S56   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:38 |
| S58   | 88    | call with (entry exit) with (probe<br>instrument\$5)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:48 |
| S59   | 28    | S53 and S58   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:41 |
| S60   | 2     | ("6,088,525").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2005/12/23 07:41 |
| S61   | 13    | (call with (before prior)) same<br>((entry exit) with (method<br>function)) same (probe<br>instrument\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/12/23 07:49 |

|     |       |   |   |    |     |                  |
|-----|-------|---|---|----|-----|------------------|
| S62 | 25501 | (eliminate remove) near3<br>(redundant repeated "same")                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 08:09 |
| S63 | 190   | (eliminate remove) near3<br>(redundant repeated "same") with<br>(probe instrument\$5) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 08:09 |
| S64 | 1     | S53 and S63   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 08:19 |
| S65 | 20    | call near2 entry near2 "same"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 08:21 |
| S66 | 61    | call near2 entry with flow  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 08:21 |
| S67 | 5     | S53 and S66   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 11:04 |
| S68 | 36    | basic adj block with call with entry  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 11:05 |
| S69 | 549   | (717/130,158).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/12/23 11:06 |
| S70 | 3     | S68 and S69   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 11:36 |
| S71 | 5     | (instrument\$5 probe) near3 prior<br>near3 call                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/12/23 12:31 |

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| S72 | 70   | call near3 entry with flow   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 12:32 |
| S73 | 18   | call near3 entry with control adj<br>flow  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 12:37 |
| S74 | 7297 | call same (entry enter) same<br>return   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 12:37 |
| S75 | 776  | call same (entry enter) same<br>return same exit   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 12:37 |
| S77 | 28   | S69 and S75  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:32 |
| S78 | 141  | (remov\$2 delet\$3 eliminat\$3)<br>near2 redundant near2 (code<br>probe instrument\$5)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:37 |
| S79 | 4    | S69 and S78  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:35 |
| S80 | 2    | (remov\$2 delet\$3 eliminat\$3)<br>near2 redundant near2 (code<br>probe instrument\$5) same call | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:37 |
| S81 | 10   | (remov\$2 delet\$3 eliminat\$3)<br>near2 redundant near2 (probe<br>instrument\$5)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:39 |
| S82 | 6    | (remov\$2 delet\$3 eliminat\$3)<br>near2 redundant near2 (probe<br>instrumentation)              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:39 |

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| S83 | 0  | (remov\$2 delet\$3 eliminat\$3)<br>near2 redundant near2<br>(instrumentation) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:44 |
| S84 | 15 | "call block" same "entry block"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/12/23 13:44 |



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Terms used **probe call redundant instrumentation**

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### 1 [Static and dynamic analysis: Efficient and precise dynamic impact analysis using](#)


[execute-after sequences](#)

Taweessup Apiwattanapong, Alessandro Orso, Mary Jean Harrold

May 2005 **Proceedings of the 27th international conference on Software engineering**

Publisher: ACM Press

Full text available: pdf(200.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As software evolves, impact analysis estimates the potential effects of changes, before or after they are made, by identifying which parts of the software may be affected by such changes. Traditional impact-analysis techniques are based on static analysis and, due to their conservative assumptions, tend to identify most of the software as affected by the changes. More recently, researchers have begun to investigate dynamic impact-analysis techniques, which rely on dynamic, rather than static, in ...

**Keywords:** dynamic analysis, impact analysis, software maintenance

### 2 [TraceBack: first fault diagnosis by reconstruction of distributed control flow](#)



Andrew Ayers, Richard Schooler, Chris Metcalf, Anant Agarwal, Junghwan Rhee, Emmett Witchel

June 2005 **ACM SIGPLAN Notices , Proceedings of the 2005 ACM SIGPLAN conference on Programming language design and implementation PLDI '05**, Volume 40 Issue 6

Publisher: ACM Press

Full text available: pdf(347.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Faults that occur in production systems are the most important faults to fix, but most production systems lack the debugging facilities present in development environments. TraceBack provides debugging information for production systems by providing execution history data about program problems (such as crashes, hangs, and exceptions). TraceBack supports features commonly found in production environments such as multiple threads, dynamically loaded modules, multiple source languages (e.g., Java ...

**Keywords:** fault diagnosis, instrumentation

### 3 [Scalable cross-module optimization](#)



Andrew Ayers, Stuart de Jong, John Peyton, Richard Schooler

May 1998 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 1998 conference on Programming language design and implementation PLDI '98**, Volume 33